

3. The theory of algorithms
4. The execution of algorithms
5. Algorithms in action
6. Social issues

Numerical Recipes in C—The Art of Scientific Computing. By William H. Press, Brian P. Flannery, Saul A. Teukolsky and William T. Vetterling. Cambridge Univ. Press, U.K. (1988). 735 pages. \$44.50.

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9. Root finding and nonlinear sets of equations
10. Minimization or maximization of functions
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Artificial Intelligence—A Knowledge-based Approach. By Morris W. Firebaugh. Boyd & Fraser. (1988). 740 pages. \$40.00.

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13. Building knowledge-based systems
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18. New architectures for AI

Computer Systems Development. By Denis A. Connor. Prentice-Hall, Englewood Cliffs, N.J. (1988). 194 pages. \$26.25.

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1. Introduction
2. Management of the STRIPE process
3. The STRIPE methodology
4. The strategic information resource plan (SIRP)
5. Information resource management (IRM)—the basics
6. The information resource management process: strategic planning
7. The information resource management process: tactical planning
8. The information resource management process: operational planning—system specification and procedure design
9. Operational planning: systems design and development
10. Operational planning: application package acquisition
11. Operational planning: system implementation and review
12. Prototyping application systems development

User-Centered Requirements Analysis. By Charles F. Martin. Prentice-Hall, Englewood Cliffs, N.J. 305 pages. \$40.00.

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2. Getting started
3. Functional analysis
4. Data analysis
5. Determining an implementation approach
6. Planning the requirements analysis